

## SEQUENCE LISTING

- (1) GENERAL INFORMATION:
- (i) APPLICANT: Dolly, James Oliver
  Aoki, Kei Roger
  Wheeler, Larry Allen
  Garst, Michael Elwood
- (ii) TITLE OF INVENTION: MODIFICATION OF CLOSTRIDIAL TOXINS FOR USE AS TRANSPORT PROTEINS
- (iii) NUMBER OF SEQUENCES: 13
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Allergan, Inc.
  - (B) STREET: 2525 Dupont Drive
  - (C) CITY: Irvine
  - (D) STATE: CA
  - (E) COUNTRY: USA
  - (F) ZIP: 92623
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Diskette
  - (B) COMPUTER: IBM Compati/ble
  - (C) OPERATING SYSTEM: Windows 95
  - (D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION/DATA:
  - (A) APPLICATION NUMBER: 08/750,101
  - (B) FILING DATE: 01-MAY-1997
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: PCT/GB95/01253
  - (B) FILING DATE: 31-MAY-1995
  - (A) APPLICATION NUMBER: UK9410871.9
  - (B) FILING DATE / 31-MAY-1994
  - (A) APPLICATION NUMBER: UK9410871.1
  - (B) FILING DATE: 31-MAY-1994
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Fisher, Carlos A

July E

(B	REGISTRATION NUMBER: 36,510	
(0	REFERENCE/DOCKET NUMBER: 17044	
(ix)	TELECOMMUNICATION INFORMATION:	
(A	) TELEPHONE: 714-246-4920	
(B	) TELEFAX: 714-246-4249	
(C	TELEX:	
(	2) INFORMATION FOR SEQ ID NO:1:	
(i)	SEQUENCE CHARACTERISTICS:	
(A	.) LENGTH: 33 base pairs	
(B	) TYPE: nucleic acid	
(0	) STRANDEDNESS: single	
(D	) TOPOLOGY: linear	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:1:	
GAGATGGTCG	ACATGCCAAT AACCATAAAT AAT	33
(	2) INFORMATION FOR SEQ ID NO:2:	
(i)	SEQUENCE CHARACTERISTICS:	
(A	) LENGTH: 32 base pairs	
(B	) TYPE: nucleic acid	
(C	) STRANDEDNESS: single	
(D	) TOPOLOGY: linear	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:2:	
ACGCGAAGCT	TTTATCATGC AGTTCTATTA TA	32
(	2) INFORMATION FOR SEQ ID NO:3:	
(i)	SEQUENCE CHARACTERISTICS:	
(A	) LENGTH: 30 base pairs	
(B	) TYPE: nucleic acid	
(C	) STRANDEDNESS: single	
(D	) TOPOLOGY: linear	
(xi)	SEQUENCE DESCRIPTION: SEQ ID NO:3:	
TAGTACATGT	ATAAGTGCGT GCATTAATAG	30
(	2) INFORMATION FOR SEQ ID NO:4:	
(i)	SEQUENCE CHARACTERISTICS:	
(A	) LENGTH: 20 base pairs	

<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:	
TTATACATGT ACTACATGGT	
(2) INFORMATION FOR SEQ ID NO:5:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 23 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:	
AAAGGCCTTT TGTTAATAAA CAA	23
(2) INFORMATION FOR SEQ ID NO:6:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 26 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
GGAATTCTTA CTTATTGTAT CCTTTA	26
(2) INFORMATION FOR SEQ ID NO:7:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 18 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
GCACATCAAC TTATACAT	
(2) INFORMATION FOR SEQ ID NO:8:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 18 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	

(C) STRANDEDNESS: single (D) TOPOLOGY: linear		
(b) TOPOLOGY: Timear		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:		
ATGTATAAGT TGATGTGC		
(2) INFORMATION FOR SEQ ID NO:9:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 18 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:		
AACTTATATA TGCTGGAC 1	8	
(2) INFORMATION FOR SEQ ID NO:10:		
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(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 18 base pairs		
(B) TYPE: nucleic acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:		
GTCCAGCATA TATAAGTT	8	
(2) INFORMATION FOR SEQ ID NO:11:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 0 amino acids		
(B) TYPE: amino acid		
(C) STRANDEDNESS: single		
(D) TOPOLOGY: linear		
(ii) MOLECULE TYPE: peptide		
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:		
Cys Ala Asn Gln Arg Ala Thr Lys Met Leu Gly Ser Gly		
1 5 10		
(2) INFORMATION FOR SEQ ID NO:12:		
(i) SEQUENCE CHARACTERISTICS:		
(A) LENGTH: 29 base pairs		

(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:	
ATTTCACCAA TAACCATAAA TAATTTTAG	29
(2) INFORMATION FOR SEQ ID NO:13:	
(i) SEQUENCE CHARACTERISTICS:	
(A) LENGTH: 26 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:	
CGGGATCCTT CTGTATCATT GTAAAT	26
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